Steve Sisolak

Governor



Richard Whitley

Director

State of Nevada

Department of Health and Human Services

Update Concerning the Status of COVID-19 in Nevada

Kyra Morgan, MS, State Biostatistician





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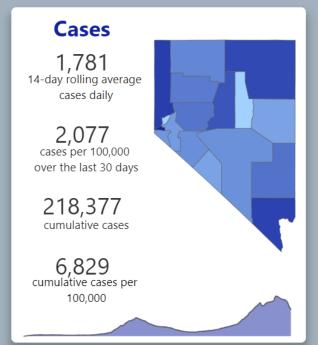
COVID-19 By The Numbers

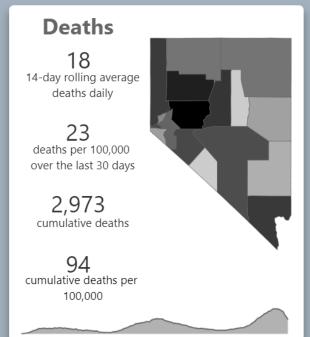
COVID-19 (Coronavirus) in Nevada

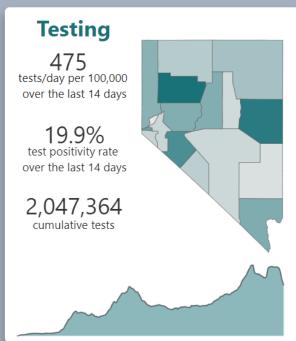
For questions, please contact the DHHS Office of Analytics by emailing data@dhhs.nv.gov.

Data are as of 12/28/2020

Current Status indicators are summarized below. Due to reporting delay, testing measures are considered over a 14-day period with a 7-day lag. This means that the most recent 7-day period is not included in the evaluation period to account for data completeness. Daily new cases and deaths are displayed as 14-day moving averages. Cases and deaths per 100,000 are displayed for the most recent 30-day period and cumulatively. In the maps below, counties with higher rates are shaded darker.



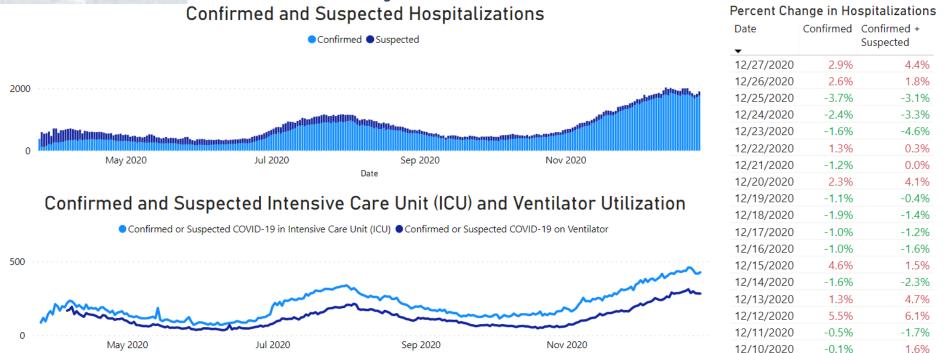




Case growth appears to be stabilizing for the most recent short term, but it is too early to conclude with certainty that we are approaching any kind of long-term plateau or peak. It is most likely that we have seen the entire direct affect of the Thanksgiving holiday. We anticipate that we will see a similar artificial decline immediately after Christmas due to limited testing on the holiday, followed by another increase following the Christmas holiday. Therefore, next two weeks will be very important to gather some additional insights.

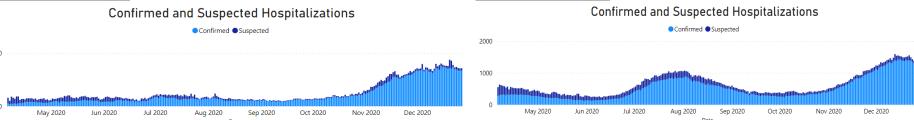


COVID-19 By The Numbers



Northern Nevada

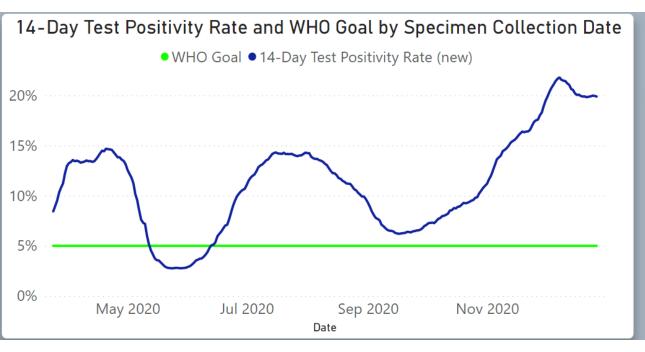
Southern Nevada



There are currently 1,765 confirmed COVID-19 cases hospitalized in Nevada and an additional 134 suspected cases hospitalized. We have observed a slight reduction in hospitalized cases compared to the previous estimates of 1,857 (+151 suspected) reported on December 15, 2020.

Date

COVID-19 By The Numbers



	19.9% test positivity ra over the last 14 c		
Percent	t Change		
Date	14-day Test Positivity Rate	Percent Change	
12/27	19.9%	-0.3%	
12/26	19.9%	-0.1%	
12/25	20.0%	0.3%	
12/24	19.9%	0.2%	
12/23	19.9%	0.3%	
12/22	19.8%	-0.4%	
12/21	19.9%	-0.0%	
12/20	19.9%	-0.2%	
12/19	19.9%	-0.7%	
12/18	20.1%	0.1%	
12/17	20.0%	-0.7%	
12/16	20.2%	-1.7%	

The current 14-day test positivity rate, at 19.9%, has declined since December 8th.

We believe this may be tied to having accounted for the bulk of testing associated with the Thanksgiving holiday; and while we may return to pre-holiday numbers, it is too early to associate this with a sustained downward trend until the impact of Christmas and New year unfolds in the upcoming weeks.



COVID-19 Testing Turnaround

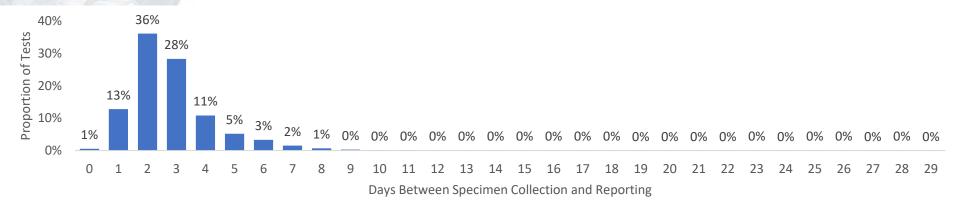
	Median Time from Specimen Collection to Report, By County and Lab													
	CPL	LABCORP	NSPHL	Other	QUEST	RRMC	SOUTHERN	UMC	Total					
Carson City	-	3	3	3	5	2	4	2	4					
Churchill	-	3	3	3	7	2	-	2.5	3					
Clark	2	2	6	2	4	2	3	2	3					
Douglas	•	3	3	2	4	2	4	2	3					
Elko	-	3	5.5	1	5	1	6	2	3					
Esmeralda	-	3	3	2	5	2	4	2	4					
Eureka	-	3	-	1	3	1	-	-	3					
Humboldt	-	3	6	3	4	1	3	2	4					
Lander	-	2.5	4	2	5	1	-	-	4					
Lincoln	-	2	-	2	4.5	-	4	2	2					
Lyon	-	3	3	3	4	2	2	3	2					
Mineral	-	3	3	3	5	1	1	-	3					
Nye	3.5	2	3	2	3	1	3	2	3					
Pershing	-	3	6	2	5	1	-	-	5					
Storey	-	3	3	3	3.5	1	-	-	3					
Washoe	-	3	2	3	4	2	3.5	2	2					
White Pine	-	2	12	2	6	2	-	2	5					
Total	2	2	3	2	4	2	3	2	3					

For Specimens collected November 15th – current, as of 12/28, it has taken approximately 3 days after specimen collection for results to be reported.

Differences across different counties and laboratories are displayed in the table above.



COVID-19 Testing Turnaround



	Distribution of the Number of Days between Specimen Collection to Report, By County																	
Days	Carson City	Churchill	Clark	Douglas	Elko	Esmeralda	Eureka	Humboldt	Lander	Lincoln	Lyon	Mineral	Nye	Pershing	Storey	Washoe	White Pine	Total
C	0%	0%	0%	1%	4%	1%	1%	3%	0%	6%	1%	0%	0%	0%	0%	1%	0%	1%
1	7%	10%	11%	13%	8%	5%	7%	6%	3%	22%	18%	9%	10%	2%	11%	25%	5%	13%
2	16%	34%	38%	31%	26%	13%	37%	13%	7%	45%	35%	23%	21%	3%	37%	31%	20%	36%
93	21%	29%	31%	33%	22%	20%	50%	17%	17%	13%	24%	24%	39%	7%	18%	19%	8%	28%
4	17%	10%	10%	11%	14%	22%	5%	34%	23%	8%	10%	18%	15%	23%	28%	11%	11%	11%
5	17%	4%	5%	7%	12%	31%	0%	11%	20%	3%	3%	8%	7%	21%	5%	6%	8%	5%
6	13%	8%	3%	3%	6%	3%	0%	9%	18%	2%	3%	6%	3%	18%	0%	2%	33%	3%
7	3%	4%	1%	1%	3%	4%	0%	5%	7%	2%	3%	4%	1%	12%	1%	2%	14%	2%
8	6%	0%	0%	0%	4%	0%	0%	0%	2%	0%	1%	1%	0%	10%	1%	1%	0%	1%
9	1%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	2%	0%	1%	0%	0%	0%	0%
10	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
11	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
12	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
13	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
14	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%

Data as of 12/21/2020

County Tracker: Nevada's counties are diverse in so many ways and have been impacted by COVID-19 differently. In order to ensure that each county is assessed for elevated disease transmission this tracker will be updated daily. Monday snapshots are used for discussion in COVID-19 Mitigation and Management Task Force meetings. A county is flagged for elevated disease transmission if it meets two of the three criteria:

- 1. Average number of tests per day (per 100,000) < 100. The average number of molecular tests conducted in the most recent complete two week period in a county, divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Due to reporting delay, this is reported over a 14-day period with a 7-day lag. Counties that average fewer than 100 tests per day will meet this criterion.
- 2. **Cases (per 100,000) > 200.** The total number of cases diagnosed and reported over a 30-day period divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Counties with a case rate greater than 200 per 100,000 will meet this criterion.
- 3. Cases (per 100,000) > 50 AND testing positivity > 8.0%. The total number of positive molecular tests divided by the total number of molecular tests conducted. This number is then multiplied by 100 to get a percentage. Due to reporting delay (which may be different between positive and negative tests), this is reported over a 14-day period with a 7-day lag. Counties with a test positivity > 8.0% paired with case rate greater than 50 per 100,000 will meet this criterion.



Map shading is based on the number of criteria met. Hover your cursor over a county to display more data.

County	Average Number of Tests per Day per 100,000 (14-day average with 7-day lag)	Cases per 100,000 (last 30 days)	Test Positivity (14-day with 7- day lag)
Carson City	506	2,973	29.0%
Churchill	488	1,979	18.4%
Clark	508	2,068	20.8%
Douglas	173	1,248	28.9%
Elko	305	1,901	26.3%
Esmeralda	389	2,156	32.1%
Eureka	163	407	13.3%
Humboldt	379	2,837	33.7%
Lander	532	2,852	23.5%
Lincoln	48	423	42.9%
Lyon	199	911	18.3%
Mineral	933	2,828	11.4%
Nye	133	806	27.2%
Pershing	823	5,573	46.1%
Storey	109	67	1.5%
Washoe	421	2,023	20.2%
White Pine	887	2,447	10.4%

These data include prison cases. We can adjust this to exclude prisons upon request. A preliminary analysis was done, and results did change significantly for 5 counties, but not significant enough to bring them out of an elevated transmission status.



Data as of 12/28/2020

Cases per

100,000 (last

30 days)

2 366

Test Positivity

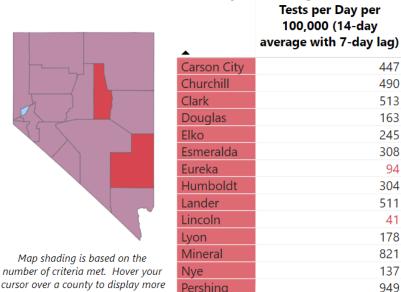
(14-day with 7-

day lag)

22.2%

County Tracker: Nevada's counties are diverse in so many ways and have been impacted by COVID-19 differently. In order to ensure that each county is assessed for elevated disease transmission this tracker will be updated daily. Monday snapshots are used for discussion in COVID-19 Mitigation and Management Task Force meetings. A county is flagged for elevated disease transmission if it meets two of the three criteria:

- 1. Average number of tests per day (per 100,000) < **100.** The average number of molecular tests conducted in the most recent complete two week period in a county, divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Due to reporting delay, this is reported over a 14-day period with a 7-day lag. Counties that average fewer than 100 tests per day will meet this criterion.
- 2. **Cases (per 100,000) > 200.** The total number of cases diagnosed and reported over a 30-day period divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Counties with a case rate greater than 200 per 100,000 will meet this criterion.
- 3. Cases (per 100,000) > 50 AND testing positivity > **8.0%.** The total number of positive molecular tests divided by the total number of molecular tests conducted. This number is then multiplied by 100 to get a percentage. Due to reporting delay (which may be different between positive and negative tests), this is reported over a 14-day period with a 7-day lag. Counties with a test positivity > 8.0% paired with case rate greater than 50 per 100,000 will meet this criterion.



County

	Carson City	447	2,300	22.270
	Churchill	490	1,855	15.3%
	Clark	513	2,173	20.0%
	Douglas	163	1,107	24.4%
	Elko	245	1,550	22.9%
	Esmeralda	308	2,053	11.9%
	Eureka	94	305	11.5%
	Humboldt	304	2,315	26.3%
	Lander	511	2,368	21.4%
	Lincoln	41	538	33.3%
	Lyon	178	861	17.5%
	Mineral	821	2,171	10.3%
ır	Nye	137	712	23.1%
re	Pershing	949	10,916	56.9%
	Storey	46	22	0.0%
	Washoe	392	1,899	18.6%
	White Pine	1,149	1,899	9.9%

447

Average Number of

These data include prison cases. We can adjust this to exclude prisons upon request. A preliminary analysis was done, and results did change significantly for 5 counties, but not significant enough to bring them out of an elevated transmission status.



Every county in Nevada, except for Storey County, is flagged for elevated transmission.

COVID-19 County Tracker (Comparison)

Data as of 12/28/2020

Nevada Department of Health and Human Services
Office of Analytics

County Tracker Results Comparison, with and without the inclusion of prison inmate-related testing encounters, December 28, 2020

	Curre	nt Method	ology	
	T:	Case	Test	Score
County	Testing*	Rate†	Positivity‡	Score
Carson City	447	2,366	22.2%	2
Churchill	490	1,855	15.3%	2
Clark	513	2,173	20.0%	2
Douglas	163	1,107	24.4%	2
Elko	245	1,550	22.9%	2
Esmeralda	308	2,053	11.9%	2
Eureka	94	305	11.5%	3
Humboldt	304	2,315	26.3%	2
Lander	511	2,368	21.4%	2
Lincoln	41	538	33.3%	3
Lyon	178	861	17.5%	2
Mineral	821	2,171	10.3%	2
Nye	137	712	23.1%	2
Pershing	949	10,916	56.9%	2
Storey	46	22	0.0%	1
Washoe	392	1,899	18.6%	2
White Pine	1,149	1,899	9.9%	2

Excluding Prison Inmate-Related Testing Encounters											
	Testing*	Case	Test	Score							
County		Rate†	Positivity‡								
Carson City	446	2,264	20.0%	2							
Churchill	478	1,808	15.3%	2							
Clark	503	2,156	20.3%	2							
Douglas	163	1,103	24.4%	2							
Elko	251	1,584	22.9%	2							
Esmeralda	313	2,086	11.9%	2							
Eureka	105	339	11.5%	2							
Humboldt	313	2,379	26.3%	2							
Lander	510	2,364	21.4%	2							
Lincoln	47	608	33.3%	3							
Lyon	184	886	17.5%	2							
Mineral	826	2,184	10.3%	2							
Nye	143	743	23.0%	2							
Pershing	1,372	15,813	56.9%	2							
Storey	47	23	0.0%	1							
Washoe	402	1,946	18.6%	2							
White Pine	191	704	12.2%	2							

	[Difference		
	Tostings	Case	Test	Score
County	Testing*	Rate†	Positivity#	Score
Carson City	0%	-4%	-10%	-
Churchill	-2%	-3%	0%	-
Clark	-2%	-1%	2%	-
Douglas	0%	0%	0%	-
Elko	3%	2%	0%	-
Esmeralda	2%	2%	0%	-
Eureka	12%	11%	0%	1
Humboldt	3%	3%	0%	-
Lander	0%	0%	0%	-
Lincoln	14%	13%	0%	-
Lyon	3%	3%	0%	-
Mineral	1%	1%	0%	-
Nye	4%	4%	0%	-
Pershing	45%	45%	0%	-
Storey	1%	3%	NA	-
Washoe	3%	2%	0%	-
White Pine	-83%	-63%	23%	-

Excluding prison/inmate population does not significantly impact any counties' overall status for elevated disease transmission except White Pine .

Counties that have relatively high increases in testing and case rates after excluding prison inmate populations are due to having few to zero COVID-19 positive inmates. Since the number of tests and/or cases remain relatively constant and the population size (denominator) is smaller without the inmate population, we would expect to see increases in testing and case rates.



Average Number of Tests Per Day (per 100,000)*

⁺Cases (per 100,000)

[#]Total number of positive molecular tests divided by the total number of molecular tests conducted multiplied by 100.

Testing per day per 100,000:

Data trend	ded below	correspon	d to the m	ost recent	15 Mitigatio	on and Mar	nagement	Task Force	meetings.						
Te	esting per	Day per	100,000				Cases p	er 100,00	0			Test I	Positivity F	Rate	
	3 1	, ,			100 mass										
Average Nu	Jmper or res	its per Day I	per 100,000	# Inresnoia -	< 100, measu	ired as a 14-0	Jay average	/ With a /-ua	ay iag						ľ
	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020	12/14/2020	12/21/2020	12/28/2020
Carson City			465		306			388			648				
Churchill	292		289		345			302	508						
Clark	208		211	214	215	248		282	307						
Douglas	86		99		145			125	152						
Elko	154		199			247	290	275	246			284			
Esmeralda	132		81	88	44			125							
Eureka	494		54	62	36			62							
Humboldt	75		75					100				300			
Lander	145		282				393	349	297			522			
Lincoln	95		54					32							
Lyon	88		95					137	169						
Mineral	426		197	226				301	511		,	983			
Nye	63		52			62		99	-						
Pershing	418		340			566		1538							
Storey	29		27		42			29				118			
Washoe	191	208	233	237	260			312			471	430			392
White Pine	482	520	665	671	435	244	469	783	536	1,067	1,143	623	461	887	1,149
Carson	City	Churchi	ill	Clark	Do	ouglas	Elko	0	Esmeral	lda	Eureka	ŀ	Humboldt	Land	der
~	~	~	~ _						<u></u>	~ _	~~	_		_	<u></u>
	Lincoln		Lyon	n Mineral		1	Nye Pershing		shing	hing Storey V		Washoe White Pine			
				_ \	~			<i></i>	-				- ~	/v	



Case Rate per 100,000:

Data tren	ided below	correspor	nd to the n	nost recent	15 Mitigati	on and ivia	nagement	lask Force	e meetings.						
Te	esting per	Day per	r 100,000				Cases p	er 100,00	00			Test I	Positivity F	Rate	
Case Rate	per 100,000	: Threshold	case rate >	200 per 100	,000, measur	ed over the p	orevious 30	days							
	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020	12/14/2020	12/21/2020	12/28/2020
Carson City	210	230	242	253	424	555	745	1,172	2,108	2,483	2,688	2,527	3,102	2,973	2,366
Churchill	120	155	201	201	236	290	518	920	1,461	1,843	2,156	2,145	2,218	1,979	1,855
Clark	314	302	315	356	421	490	559	701	865	1,134	1,405	1,723	1,936	2,068	2,173
Douglas	83	89	123	167	179	197	264	362	447	642	986	1,221	1,368	1,248	1,107
Elko	158	178	182	256	396	513	682	922	1,095	1,437	1,835	2,095	2,099	1,901	1,550
Esmeralda	0	0	0	0	0	0	0	0	513	616	1027	1643	2259	2156	2053
Eureka	203	153	0	0	0	0	51	203	254	407	509	407	560	407	305
Humboldt	59	100	100	147	182	211	275	264	387	1,301	1,676	2,913	3,024	2,837	2,315
Lander	150	117	233	300	400	517	434	417	617	1,017	1,768	2,485	2,785	2,852	2,368
Lincoln	0	0	0	154	327	346	481	327	500	462	635	923	712	423	538
Lyon	140	152	133	205	231	276	316	460	702	900	1,030	1,081	1,031	911	861
Mineral	351	197	88	22	22	241	329	504	636	1,294	2,171	2,960	3,311	2,828	2,171
Nye	35	29	37	49	74	170	237	407	518	555	669	657	835	806	712
Pershing	14	14	14	29	57	86	72	72	287	445	1,092	1,365	3,706	5,573	10,916
Storey	0	0	22	45	22	67	22	22	67	67	134	112	112	67	22
Washoe	316	397	412	463	545	612	783	1,025	1,372	1,802	2,095	2,310	2,275	2,023	1,899
White Pine	246	331	302	340	378	406	397	718	935	1,134	2,088	2,031	1,795	2,447	1,899
Carson	City	Church	nill	Clark	De	ouglas	Elk	0	Esmera	lda	Eureka	ŀ	Humboldt	Lar	nder
			-				/			_		\ _			
	Lincoln Lyon		ı	Mineral		Nye	Per	shing	Storey	Storey Washoe Whit		ite Pine			
				_					⋰ .					′	

Test Positivity Rate:

Data tren	Data trended below correspond to the most recent 15 Mitigation and Management Task Force meetings.														
Te	esting per	Day per	100,000		Y	C	ase Rate	per 100,0	000			Test P	ositivity R	ate	
Test Positi	vity Rate: Th	reshold > 8	%, measure	d over a 14-	day period w	ith a 7-day la	ıg								
	9/21/2020	9/28/2020	10/5/2020	10/12/2020	10/19/2020	10/26/2020	11/2/2020	11/9/2020	11/16/2020	11/23/2020	11/30/2020	12/7/2020	12/14/2020	12/21/2020	12/28/2020
Carson City	3.5%	2.5%	1.8%	3.8%	6.8%	8.1%	9.1%	10.6%	23.6%	21.2%	16.8%	24.2%	28.4%	29.0%	22.2%
Churchill	2.2%	2.0%	2.4%	3.0%	3.0%	3.7%	7.1%	11.0%	14.8%	16.5%	18.3%	19.4%	20.7%	18.4%	15.3%
Clark	7.1%	6.7%	6.9%	7.6%	8.6%	9.2%	9.8%	11.1%	13.2%	14.7%	15.6%	17.3%	21.0%	20.8%	20.0%
Douglas	3.0%	4.4%	6.2%	5.5%	5.1%	6.9%	9.5%	10.9%	13.4%	16.4%	24.8%	27.3%	29.4%	28.9%	24.4%
Elko	4.4%	4.0%	4.4%	5.2%	8.2%	10.3%	9.4%	11.7%	18.6%	21.3%	26.0%	30.3%	28.6%	26.3%	22.9%
Esmeralda	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.1%	21.3%	12.7%	30.0%	32.1%	11.9%
Eureka	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	15.2%	12.9%	10.7%	9.1%	6.0%	13.3%	11.5%
Humboldt	3.4%	3.6%	8.4%	6.5%	7.4%	12.3%	9.1%	7.1%	12.9%	28.1%	35.6%	38.5%	39.9%	33.7%	26.3%
Lander	5.7%	2.2%	1.3%	5.3%	6.0%	6.2%	5.2%	5.5%	9.2%	17.8%	20.7%	20.5%	23.6%	23.5%	21.4%
Lincoln	0.0%	0.0%	0.0%	3.3%	10.7%	13.4%	18.6%	30.4%	46.7%	35.3%	62.3%	63.6%	44.8%	42.9%	33.3%
Lyon	7.3%	7.9%	6.3%	8.2%	11.4%	8.2%	10.5%	13.2%	19.0%	21.0%	19.7%	22.0%	21.6%	18.3%	17.5%
Mineral	3.3%	0.6%	3.2%	0.7%	0.0%	7.8%	6.8%	3.6%	6.7%	5.6%	9.4%	15.0%	14.1%	11.4%	10.3%
Nye	1.6%	1.5%	4.0%	4.5%	4.6%	10.6%	14.6%	18.3%	21.7%	24.1%	21.8%	22.3%	29.9%	27.2%	23.1%
Pershing	0.0%	0.0%	0.3%	0.6%	0.8%	0.9%	0.2%	0.0%	0.6%	6.9%	13.3%	11.5%	37.1%	46.1%	56.9%
Storey	0.0%	0.0%	0.0%	10.0%	3.8%	3.3%	6.7%	5.6%	6.7%	7.1%	3.2%	5.4%	3.9%	1.5%	0.0%
Washoe	6.9%	7.8%	8.4%	8.2%	8.5%	9.1%	10.8%	12.8%	16.2%	18.9%	19.9%	21.2%	21.4%	20.2%	18.6%
White Pine	5.3%	3.5%	2.2%	2.8%	3.4%	5.5%	3.9%	2.1%	7.4%	5.7%	9.6%	17.7%	9.1%	10.4%	9.9%
Carson	Carson City Churchill Clark		Do	ouglas	Elk	0	Esmera	lda	Eureka	I	Humboldt	La	nder		
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	Lincol	n	Lyon	ı	Mineral		Nye	Per	shing	Storey		Washoe	Whit	te Pine	
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Discussion

To request additional data, email the DHHS Office of Analytics at data@dhhs.nv.gov

